

What is claimed is:

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1. A computerized-system for scheduled caching of in-band data broadcast in a channel comprising:
 - 5 a real-time scheduling process; and
 - a scheduling process operable for determining a scheduled time and channel for an in-band data broadcast, and for invoking the real-time scheduling process to schedule execution of a caching process at approximately the scheduled time, wherein the caching process is operable for instructing tuner circuitry to tune to the scheduled channel, for receiving the in-band data from the tuning circuitry, and for storing the in-band data for subsequent processing.
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 - 15 2. The computerized-system of claim 1, wherein the scheduling process is further operable for retrieving the scheduled time and channel from a source.
 - 20 3. The computerized-system of claim 2, wherein the source is an in-band data broadcast.
 4. The computerized-system of claim 1, wherein the caching process is further operable for parsing the in-band data from other content broadcast in the channel.
 - 25 5. The computerized-system of claim 3, wherein the in-band data is broadcast in a vertical blanking interval of a television channel.
 6. The computerized-system of claim 5, wherein the in-band data is broadcast in a portion of a digital satellite transmission channel.
 7. The computerized-system of claim 1, wherein the in-band data comprises electronic program guide data.

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8. The computerized-system of claim 1, wherein the caching process is further operable for powering on the tuning circuitry.

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5 9. A method of scheduled caching of in-band data broadcast in a channel comprising the steps of:

determining a schedule for the in-band data broadcast, wherein the schedule comprises a time and a channel;

instructing tuning circuitry to tune to the schedule channel at approximately the schedule time;

10 receiving the in-band data broadcast in the schedule channel; and
storing the in-band data on mass storage.

10. The method of claim 9, wherein the step of determining a time and channel comprises the steps of:

15 displaying a plurality of schedules to a user for selection; and
determining the time and the channel from the schedule selected by the user.

11. The method of claim 10, wherein the step of determining a time and channel comprises the steps of:

20 determining a source for the schedule; and
retrieving the schedule from the source.

12. The method of claim 11, wherein the source for the schedule is in-band broadcast data.

25 13. The method of claim 9, wherein the step of receiving the in-band data further comprises the step of parsing the in-band data from other content broadcast in the channel.

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14. The method of claim 9, wherein the in-band data comprises electronic program guide data.

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15. A computer-readable medium having computer-executable instructions stored thereon for performing steps comprising:

determining a schedule for the in-band data broadcast, wherein the schedule comprises a time and a channel;
instructing tuning circuitry to tune to the schedule channel at approximately the schedule time;
10 receiving the in-band data broadcast in the schedule channel; and
storing the in-band data on mass storage.

16. A digital processing system comprising:

a processor having real time clock circuitry;
15 tuning circuitry for tuning and receiving broadcast transmissions, the tuning circuitry communicatively coupled to the processor;
a computer-readable medium communicatively coupled to the central processor;
and
20 a scheduled caching program executed from the computer-readable medium by the processor, wherein the scheduled caching program causes the real-time clock circuitry to schedule a subsequent execution of the scheduled caching program at approximately a scheduled time and the subsequent execution of the scheduled caching program instructs the tuning circuitry to tune to a channel, receives in-band data from the tuning circuitry, and stores the in-band data for subsequent processing.

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17. The digital processing system of claim 16, wherein the scheduled caching program parses the in-band data from other content broadcast in the channel.

18. The digital processing system of claim 16, wherein the scheduled time and the channel are selected by a user of the digital processing system from a plurality of data service schedules.

5 19. The digital processing system of claim 18, wherein the scheduled caching program retrieves one of the data service schedules from an in-band source.

20. The digital processing system of claim 16, wherein the in-band data comprises electronic program guide data.

10 21. A computerized-system for scheduled caching of in-band data broadcast in a channel comprising:

 a real-time scheduling process; and

 a scheduling process having means for determining a scheduled time and channel

15 for an in-band data broadcast, and for invoking the real-time scheduling process to schedule execution of a caching process at approximately the scheduled time, wherein the caching process has means for instructing tuner circuitry to tune to the scheduled channel, for receiving the in-band data from the tuning circuitry, and for storing the in-band data for subsequent processing.

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22. The computerized-system of claim 21, wherein the scheduling process further has means for retrieving the scheduled time and channel from a source.

23. The computerized-system of claim 21, wherein the caching process further has

25 means for parsing the in-band data from other content broadcast in the channel.

24. The computerized-system of claim 21, wherein the caching process further has means for powering on the tuning circuitry.

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25. An information handling system comprising:
a tuner tunable to a plurality of channels; and
a scheduler configured to determine a scheduled time and a scheduled channel from
the plurality of channels for receiving information associated with the scheduled
channel,

wherein the tuner tunes to the scheduled channel at approximately the scheduled
time to receive the information associated with the channel.

26. The information handling system of claim 25, wherein the information is in-band
information.

27. The information handling system of claim 25, wherein the information is electronic
program guide information.

28. The information handling system of claim 25, wherein the information is Internet-
related information.

29. The information handling system of claim 25, wherein the scheduler comprises:
a real-time scheduling process; and

a scheduling process which determines the scheduled time and the scheduled
channel, and invokes the real-time scheduling process to schedule execution of a
caching process at approximately the scheduled time, wherein the caching process
instructs the tuner to tune to the scheduled channel, receives the information associated
with the scheduled channel from the tuner, and stores the information for subsequent
processing.

30. The information handling system of claim 29, wherein the scheduling process
retrieves the scheduled time and the scheduled channel from information received from
one of the plurality of channels.

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31. The information handling system of claim 29, wherein the caching process powers-on the tuner.

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32. A computer-readable medium having computer-executable instructions stored thereon for performing steps comprising:

determining a scheduled time and a scheduled channel to receive information associated with the scheduled channel; and

instructing a tuner to tune to the scheduled channel at approximately the scheduled time to receive the information associated with the scheduled channel.

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33. The computer-readable medium of claim 32, wherein the information is in-band information.

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34. The information handling system of claim 32, wherein the information is electronic program guide information.

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35. The information handling system of claim 32, wherein the information is internet-related information.

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36. A method for handling information comprising the steps of:
determining a scheduled time and a scheduled channel to receive information associated with the scheduled channel; and
instructing a tuner to tune to the scheduled channel at approximately the scheduled time to receive the information associated with the scheduled channel.

37. The method of claim 36, wherein the information is in-band information.

38. The information handling system of claim 37, wherein the information is electronic program guide information.

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39. The information handling system of claim 37, wherein the information is internet-related information.

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40. An information handling system comprising:

5 a tuner having means for tuning to a plurality of channels; and
 a scheduler having means configurable for determining a scheduled time and
 scheduled channel to receive information associated with the scheduled channel,
 wherein the means for tuning tunes to the scheduled channel at approximately the
 scheduled time to receive the information associated with the channel.

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41. The information handling system of claim 40, wherein the information is in-band
information.

15 42. The information handling system of claim 40, wherein the information is electronic
program guide information.

43. The information handling system of claim 40, wherein the information is internet-related information.

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